

Swan Region Strategy

for

Natural Resource Management

Appendix 12

Biodiversity (BT)/Coastal and Marine (CM)

***Threatened and priority fauna species in
Swan NRM Region – as at 30 June 2003***

**Biodiversity (BT)/Coastal and Marine (CM) Appendix 11:
Threatened and priority fauna species in Swan NRM Region
– as at 30 June 2003**

See 'Definitions, Background and Notes' pertaining to this appendix on pages 5-8 below

Terrestrial threatened and priority fauna species in Swan NRM Region

Species Name	Common Name	1. Conservation Code As used by the Department of Conservation and Land Management	2. IUCN Code	3. Status under Australian Government Environment Protection and Biodiversity Conservation Act
<i>Pseudemydura umbrina</i>	Western Swamp Tortoise	Schedule 1	CR	Endangered
<i>Botaurus poiciloptilus</i>	Australasian Bittern	Schedule 1	VU	Not listed in Swan NRM region
<i>Calyptorhynchus baudinii</i>	Baudin's Black-Cockatoo	Schedule 1	VU	Vulnerable
<i>Dasyornis longirostris</i>	Western Bristlebird	Schedule 1	VU	Not listed in Swan NRM region
<i>Dasyurus geoffroii</i>	Chuditch	Schedule 1	VU	Vulnerable
<i>Leipoa ocellata</i>	Malleefowl	Schedule 1	VU	Not listed in Swan NRM region
<i>Macrotis lagotis</i>	Bilby	Schedule 1	VU	Not listed in Swan NRM region
<i>Myrmecobius fasciatus</i>	Numbat	Schedule 1	VU	Not listed in Swan NRM region
<i>Pseudocheirus occidentalis</i>	Western Ringtail Possum	Schedule 1	VU	Not listed in Swan NRM region
<i>Rostratula benghalensis australis</i>	Australian Painted Snipe	Schedule 1	VU	Not listed in Swan NRM region
<i>Calyptorhynchus latirostris</i>	Carnaby's Black-Cockatoo	Schedule 1		Endangered
<i>Leioproctus douglasiellus</i>	Leioproctus douglasiellus	Schedule 1		Not listed in Swan NRM region
<i>Neopasiphe simplicior</i>	Neopasiphe simplicior	Schedule 1		Not listed in Swan NRM region
<i>Phascogale calura</i>	Red-tailed Phascogale	Schedule 1		Endangered
<i>Synemon gratiosa</i>	Graceful Sunmoth	Schedule 1		Not listed in Swan NRM region
<i>Setonix brachyurus</i>	Quokka	Schedule 1		Vulnerable
<i>Sterna anaethetus</i>	Bridled Tern	Not listed		Migratory
<i>Haliaeetus leucogaster</i>	White-bellied Sea Eagle	Not listed		Migratory
<i>Calidris ferruginea</i>	Curlew Sandpiper	Not listed		Migratory
<i>Calidris ruficollis</i>	Red-necked stint	Not listed		Migratory
<i>Tringa glareola</i>	Wood sandpiper	Not listed		Migratory
<i>Cacatua leadbeateri</i>	Major Mitchell's Cockatoo	Schedule 4		Not listed in Swan NRM region
<i>Falco peregrinus</i>	Peregrine Falcon	Schedule 4		Not listed in Swan NRM region
<i>Morelia spilota imbricata</i>	Carpet Python	Schedule 4		Not listed in Swan NRM region
<i>Arbanitis inornatus</i>	Arbanitis inornatus	Priority One		
<i>Aspidites ramsayi</i>	Woma (southwest pop)	Priority One		
<i>Austromerope poultoni</i>	Austromerope poultoni	Priority One		
<i>Kawaniphila pachomai</i>	Kawaniphila pachomai	Priority One		
<i>Throscodectes xiphos</i>	Throscodectes xiphos	Priority One		
<i>Glacidorbis occidentalis</i>	Glacidorbis occidentalis	Priority Two		
<i>Ixobrychus flavicollis australis</i>	Black Bittern	Priority Two		
<i>Ninox connivens connivens</i>	Barking Owl (southwest pop)	Priority Two		
<i>Pseudonaja affinis exilis</i>	Rottnest Dugite	Priority Two		
<i>Austrosaga spinifer</i>	Austrosaga spinifer	Priority Three		
<i>Calyptorhynchus banksii naso</i>	Forest Red-tailed Black-Cockatoo	Priority Three		
<i>Hyaleus globuliferus</i>	Hyaleus globuliferus	Priority Three		
<i>Leioproctus contrarius</i>	Leioproctus contrarius	Priority Three		
<i>Phascogale tapoatafa</i>	Brush-tailed Phascogale	Priority Three		
<i>Tyto novaehollandiae novaehollandiae</i>	Masked Owl (SW ssp)	Priority Three		
<i>Bettongia pennicillata ogilbyi</i>	Woylie	Priority Four	CD	
<i>Isodon obesulus fusciventer</i>	Quenda	Priority Four	CD	
<i>Macropus eugenii derbianus</i>	Tammar Wallaby	Priority Four	CD	
<i>Australotomurus sp (SAM122621)</i>	Guildford Springtail	Priority Four		

Species Name	Common Name	1. Conservation Code As used by the Department of Conservation and Land Management	2. IUCN Code	3. Status under Australian Government Environment Protection and Biodiversity Conservation Act
<i>Burhinus grallarius</i>	Bush Stonecurlew	Priority Four		
<i>Charadrius rubricollis</i>	Hooded Plover	Priority Four		
<i>Ctenotus delli</i>	Dell's Skink	Priority Four		
<i>Falco hypoleucos</i>	Grey Falcon	Priority Four		
<i>Falcunculus frontatus leucogaster</i>	Crested Shrike-tit (south-western ssp)	Priority Four		
<i>Falsistrellus mackenziei</i>	Western False Pipistrelle	Priority Four		
<i>Hydromys chrysogaster</i>	Water-rat (Rakali)	Priority Four		
<i>Ixobrychus minutus</i>	Little Bittern	Priority Four		
<i>Macropus irma</i>	Western Brush Wallaby	Priority Four		
<i>Numenius madagascariensis</i>	Eastern Curlew	Priority Four		

Coastal and Marine threatened and priority fauna species in the Swan NRM Region
NB some species also appear in the previous table

Species Name	Common Name	1. Conservation Code As used by the Department of Conservation and Land Management	2. IUCN Code	3. Status under Australian Government Environment Protection and Biodiversity Conservation Act
<i>Balaenoptera physalus</i>	Fin Whale	Schedule 1	VU	Not listed in Swan NRM region
<i>Carcharodon carcharias</i>	Great White Shark	Schedule 1		Not listed in Swan NRM region
<i>Caretta caretta</i>	Loggerhead Turtle	Schedule 1	VU	Not listed in Swan NRM region
<i>Chelonia mydas</i>	Green Turtle	Schedule 1	VU	Not listed in Swan NRM region
<i>Dermochelys coriacea</i>	Leathery Turtle (Luth)	Schedule 1	VU	Not listed in Swan NRM region
<i>Diomedea exulans</i>	Wandering Albatross	Schedule 1	VU	Not listed in Swan NRM region
<i>Eubalaena australis</i>	Southern Right Whale	Schedule 1	VU	Not listed in Swan NRM region
<i>Megaptera novaeangliae</i>	Humpback Whale	Schedule 1	VU	Not listed in Swan NRM region
<i>Phoebastria fusca</i>	Sooty Albatross	Schedule 1	VU	Not listed in Swan NRM region
<i>Setonix brachyurus</i>	Quokka	Schedule 1		Vulnerable
<i>Thalassarche carteri</i>	Indian Yellow-nosed Albatross	Schedule 1	VU	
<i>Thalassarche cauta</i>	Shy Albatross	Schedule 1	VU	
<i>Thalassarche chrysostoma</i>	Grey-headed Albatross	Schedule 1	VU	
<i>Morelia spilota imbricata</i>	Carpet Python	Schedule 4		
<i>Pseudonaja affinis exilis</i>	Rottnest Dugite	Priority Two		
<i>Thalassarche melanophrys</i>	Black-browed Albatross	Priority Three		
<i>Charadrius rubricollis</i>	Hooded Plover	Priority Four		
<i>Hydromys chrysogaster</i>	Water-rat (Rakali)	Priority Four		
<i>Macropus eugenii derbianus</i>	Tammar Wallaby	Priority Four		

Definitions, Background and Notes

Conservation Code- as per 1. above

Schedules 1-4 provides special protection to listed fauna, under the *Western Australian Wildlife Conservation Act (1950)*, as follows:

- Schedule 1**, being fauna that is rare or likely to become extinct, are declared to be fauna that is in need of special protection;
- Schedule 2**, being fauna that is presumed to be extinct, are declared to be fauna that is in need of special protection;
- Schedule 3**, being birds that are subject to an agreement between the governments of Australia and Japan relating to the protection of migratory birds and birds in danger of extinction, are declared to be fauna that is in need of special protection; and
- Schedule 4** are declared to be fauna that is in need of special protection, otherwise than for the reasons mentioned in paragraphs (a), (b) and (c)- immediately below.

Background to Priority listing (*One; Two; Three; Four*)

The Department of Conservation and Land Management (CALM) maintains a Priority Fauna List for Western Australia, this includes fauna taxa, listed according to priority codes. It is important to recognise that such Priority Lists have no statutory standing, but are used to assist CALM when considering which fauna are most in need of more surveys or other investigations, in order to establish their status in the wild.

The Priority Fauna List for Western Australia includes taxa organised by priority codes that:

- a) have recently been removed from the schedule of threatened fauna; or
- b) have a restricted range, are uncommon or are declining in range and/or abundance, but which do not meet the criteria for inclusion on the schedule of-threatened fauna; or
- c) have been nominated for consideration for the schedule of threatened fauna and for which there is insufficient information for the advisory committee to make an assessment of their status; or
- d) are otherwise worthy of inclusion on such a list, as determined by CALM.

The Priority Fauna List for Western Australia is to be reviewed by CALM whenever new information on relevant taxa becomes available.

Taxa will be removed from the list by CALM as they cease to meet the requirements identified above.

Definition of priority codes (*Priority One, Two, Three and Four*)

Priority One

Taxa with few, poorly known populations on threatened lands, defined as-

Taxa which are known from few specimens or sight records from one or a few localities on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, active mineral leases. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna.

Priority Two

Taxa with few, or poorly known populations on conservation lands, defined as-

Taxa which are known from few specimens or sight records from one or a few localities on lands not under immediate threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, vacant Crown land, water reserves, etc. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna.

Priority Three

Taxa with several, poorly known populations, some on conservation lands, defined as-

Taxa which are known from few specimens or sight records from several localities, some of which are on lands not under immediate threat of habitat destruction or degradation. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna.

Priority Four

Taxa in need of monitoring, defined as-

Taxa which are known from few specimens or sight records from several localities, some of which are on lands not under immediate threat of habitat destruction or degradation. The taxon needs urgent survey and evaluation of conservation status before consideration can be given to declaration as threatened fauna

IUCN Code – as per 2. above

These codes are those shown in the World Conservation Union (IUCN) Red List Categories and where they apply- for the listing of threatened fauna is determined by the Western Australian Threatened Species Scientific Committee (WATSSC). WATSSC will review the list of threatened fauna at least annually, and makes recommendations for changes to the list to the Minister.

Definitions of IUCN Codes:

- PD- Presumed totally destroyed
- CR- Critically endangered
- EN- Endangered
- VU- Vulnerable
- CD- Conservation dependent

Status of Threatened Fauna species as per 3. above-

Australian Government Environment Protection and Biodiversity Conservation (EPBC) Act 1999

Fauna species may be declared protected, by the Australian Government, under the powers of this Act; where required – these powers may override relevant State legislation.

Threatened fauna may be listed, under the following categories, as defined in Section 179 of the EPBC Act (and as per Column 3 in the above table):

- Extinct;
- * Extinct in the wild;
- * Critically endangered
- * Endangered
- * Vulnerable; and
- Conservation dependent.

Note- only species in those categories marked * (with an asterix) are matters of national environmental significance under the Act.

Species classified as 'migratory' under the EPBC Act are also shown.

Notes on data collection for the Western Australian threatened and priority fauna lists:

1. Fauna points off the immediate coast of each NRM region have been included in the species list.
2. There may be errors in the Conservation Code or IUCN Code for some records that relate to species or subspecies that are difficult to distinguish in the field but that have different Conservation or IUCN codes, e.g. White-tailed Black-Cockatoo within the WA Regional Forest Agreement could be either Baudin's Black-Cockatoo (VU) or Carnaby's Black-Cockatoo (EN).
3. Except for the columns above 'Status under Australian Government Environment Protection and Biodiversity Conservation Act (1999)' (published by Department of Environment Heritage, 30 June 2003) the information above (including Common ID and Conservation Code) is provided by the Department of Conservation and Land Management in July 2003.